

KOSHKALDA, V.G.; RAUKHVERGER, A.B.

Mechanism of the formation of annular fractures of the bones
at the skull base. Sud.-med. ekspert. 6 no.3:52-53 J1-S'63.
(MIRA 16:10)

1. Odesskoye oblastnoye byuro sudebnomeditsinskoy ekspertizy
(nachal'nik - dotsent S.B. Gol'dshteyn).
(SKULL — FRACTURE) (TRAFFIC ACCIDENT INVESTIGATION)

FREYDLIN, Solomon Yakovlevich; RAVKIND, B.M., redaktor; RULEVA, M.S.,
tekhnicheskiiy redaktor

[Prevention of injuries and organization of first aid] Profilaktika
travmatizma i organizatsiia travmatologicheskoi pomoshchi. [Lenin-
grad] Gos. izd-vo med. lit-ry, Leningradskoe otd-nie, 1956. 192 p.
(TRAUMATISM) (MLRA 10:2)

RAUKOV, G.

Isomerization of ricinoleic acid with sulfur. G. Raikov and A. Iovchev (Bulgarian Acad. Sci., Sofia). *Chem. rend. acad. bulgare sci.* 7, No. 1, 25-8 (1954) (in German).—Heating ricinoleic acid with 1% S (CO₂ current optional) 3 hrs. at 220-30°, saponifying the viscous product containing estolides, acidifying with mineral acid, dissolving the solid in H₂O, washing until neutral, drying with Na₂SO₄, evap., and recrystg. from petr. ether (b. 30-60°) gave 18.2% ricinoleic acid, m. 60.5-51°, n_D^{20} 1.4540. A. W. Schreckel

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MT

Raukov, S. R.

Oxidation of organic compounds. XII. Intermediate stages of catalytic oxidation of some monoalkylbenzenes in gas phase. S. R. Raukov, B. V. Suvorov, and A. V. Solomin. *Kataliticheskie chislennosti i Okslenie. Akad. Nauk S.S.S.R., Trudy Konf.* 1955, 241-51; cf. C.A. 50, 1872a. Yicht-temp. curves for various products of oxidation of alkylbenzenes are shown for air oxidation in the presence of mild V catalysts at 300-450° with 0.3-0.4 sec. contact time. MePh, EtPh and cumene were examd. The possible schemes of stepwise oxidation are shown. The possible oxidation products: AcPh, BzCHO, BzH, BzOH, C₆H₆, PhOH, benzoquinone, and maleic anhydride were also subjected to oxidation. BzOH, maleic anhydride and quinone were found to be substantially stable. At temp. under 350° almost the only products are those of incomplete oxidation; at higher temp. these products decline in concn.; above 390° the oxidation is complete.

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PM

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L 27999-66

ACC NR: AT6012880

SOURCE CODE: UR/2910/65/005/002/0241/0252

AUTHOR: Pipinis, P. A. -- Pipinys, P.; Gegzhnayte, L. Yu. --
Gegznaite, L.; Raulichkite, A. V. -- Raulickyte, A.

48
B+1

ORG: Vilnius State Pedagogical Institute (Vil'nyusskiy gosudarstvennyy pedagogicheskiy institut)

TITLE: Effect of the electric field on the photoluminescence of the ZnS-Pb crystal phosphor

SOURCE: AN LitSSR. Litovskiy fizicheskii sbornik, v. 5, no. 2, 1965, 241-252

TOPIC TAGS: crystal phosphor, luminescence, electric field, electric effect, light excitation, photoluminescence, zinc sulfide, lead

ABSTRACT: The effect has been studied of direct and alternating electric fields on the photoluminescence of ZnS-Pb crystal phosphor with various lead concentrations. A flash of luminescence appeared in the phosphor when the electric field (Gudden-Pohl effect) was switched on and off. An alternating electric field has a quenching effect on the luminescence of crystal phosphor. The dependence of the quenching effect on the variation of the electric-field frequency, field strength, and temperature was examined. The existence of an

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optimal time interval for the development of the flash of the Gudden-Pohl effect was determined. Flashing ignition luminescence for the crystal phosphor with the highest activator concentration was observed when the samples were affected by an alternating electric field during excitation. The authors thank students V. Yanushkevichyute and G. Ostasevichyute for carrying out measurements. Orig. art. has: 9 figures. [Based on author's abstract] [NT]

SUB CODE: 20/ SUBM DATE: 16Oct64/ ORIG REF: 004/ OTH REF: 015

Card 2/2 CC

MARCINKOWSKI, Karol; RAULUSZKIEWICZ, Stanislaw; SAMBORSKI, Zbigniew; SENZE, Alfred, prof. dr.; STEHLIK, Zdzislaw

The effect of phenactile upon the inhibition of sexual desire in cows. Zeszyty problemowe post nauk roln no.31:45-49 '61.

1. Katedra Poloznictwa, Wydzial Weterynaryjny, Wyzsza Szkola Rolnicza, Wroclaw. Kierownik: prof. dr. A. Senze

RAUM, F.

Constituent assembly of the Association of Geodesy and Cartography. p. 181. GEODEZIA ES KARTOGRAFIA. (Allami Foldmérés és Terkepesseti Hivatal) Budapest. Vol. 8, no. 2, 1956.

SOURCE: East European Accessions List (EEAL) Library of Congress. Vol. 5, No. 11, November 1956.

RAUM, Frigyes

The 9th International Congress of Photogrammetry. Geod kart 13 no.2:
126-130 '61.

S/035/62/000/004/031/056
A001/A101

AUTHOR: Raum, F.

TITLE: The 22nd photogrammetric course of Zeiss

PERIODICAL: Referativnyy zhurnal. Astronomiya i Geodeziya, no. 4, 1962, 2,
abstract 4G12 ("Geod. és kartogr.", 1961, v. 13, no. 4, 286-288,
Hungarian)

TEXT: This is information on the 22nd course of Zeiss organized at the House of Technology in Budapest. Good organization of the course is noted. It was attended by 120 Hungarians and 50 specialists, representatives of Socialist camp countries (Bulgaria, Poland, Rumania, the USSR). Lectures were read during the course on various problems of modern aerophotogrammetry and practical exercises were conducted. In the latter the students were acquainted with operations on stereophotogrammetric devices (multiplex, stereoautograph, stereo-planigraph, stereometrograph, coordinate meter) manufactured by the Zeiss plants at Jena.

A. Z.

[Abstracter's note: Complete translation]

Card 1/1

RAUM, Frigyes

Society news. Geod kart 1/4 no.1:62-63 '62.

Geodesy and Cartography
1. "Geodezia es Kartografia" szerkeszto bizottsagi tagja.

S/035/62/000/005/071/098
A055/A101

AUTHOR: Raum, Frigyes

TITLE: Second international conference on measuring technique and construction of instruments

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 5, 1962, 8, abstract 5G32 ("Geod. és kartogr.", 1961, 13, no. 4, 291-292, Hungarian)

TEXT: Short survey of the reports read at the second international conference on measuring technique and construction of instruments, held on June 26 - July 1, 1961, in Budapest.

[Abstracter's note: Complete translation]

Card 1/1

RAUM, Frigyes

Society news. Geod kart 14 no.2:121, '62

1. "Geodezia es Kartografia" szerkeszto bizottsagi tagja.

1984, 1985

Geodetic instruments at the Briapest International Fair.
Geod. kart. 10 no. 4:290-291. 1984.

Geodetic headquarters in Bratislava. Ibid.:292-293

News of the International Federation of Surveyors. Ibid.:299

1. Editorial board member, "Geodesia na Kartografii."

RAUM, Feleyes

Report on the Sofia conference on engineering geodesy. Geod
kart 17 no.1:53-57 '65.

Association news Ibid:167-69

1. Editorial Board Member, "Geodezia es Kartografia."

RAUM, Frigyes

Automation in photogrammetry. Műsz. elet 19 no.27:1,11 31 D '64.

1. Editorial Board Member, "Geodezia es Kartografia."

RAUM, Frigyes

Changes on the map of the Netherlands. Geod kart 16
no.6:454-455 '64.

Short communications. Ibid.:457-458

Association news. Ibid.:464-465

1. Editorial Board Member, "Geodezia es Kartografia."

MAGYAROSI, Bela; RAUM, Frigyes

International congress on photogrammetry. Geod kart 16
no.6:446-450 '64.

1. Editorial Board Member, "Geodezia es Kartografia" (for
Raum).

FLAUM, FREDMAN

Development trends of practical geodesy. Geod kart 16
no. 5:352-356. 1964.

See, for example, the Mont Blanc tunnel. Ibid.:379-380

International Measurement Conference. Ibid.:387

Calendar of International Meetings. Ibid.: 383-384.

Page 392

el nombre, "Geodesia es Kartografia."

RAUM, Frigyes

Society news. Geod kart 16 no.2:146-147 '64

1. "Geodezia es Kartografia" szerkeszto bizottsagi tagja.

RAUM, Frigyes

The Jozsef Beszedes Museum of Water Economy in Siofok.
Geod kart 16 no. 1: 74 '64.

1. "Geodezia es Kartografia" szerkeszto bizottsagi tagja.

RAUM, Frigyes

New arrangement for geodesy, land surveying, photogrammetry
and cartography in the universal decimal classification system.
Geod kart 15 no.3:208-220 '63.

1. "Geodezia es Kartografia" szerkeszto bizottsagi tagja.

IAUM, Frigyes

On the 10th Geodetic Congress. Geod kart 15 no.3:225-230
'63.

1. "Geodezia es Kartografia" szerkeszto bizottsagi tagja.

RAUM, Frigyes

Society news. Geod kart 15 no.3:237-238 '63.

1. "Geodezia es Kartografia" szerkeszto bizottsagi tagja.

RAUM, Frigyes

Society news. Geod kart 15 no.6:474-475 '63.

1. "Geodezia es Kartografia" szerkeszto bizottsagi tagja.

MOLDOVAN, Kristof; RAUM, Frigyes

Design of the No. 7 automobile road and its geodetic work.
Geod kart 15 no.5:368-370 '63.

1. "Geodezia es Kartografia" szerkeszto bizottsagi tagja.

RAUM, Frigyes

Once more about the technical higher education. Geod kart 15
no.5:378 '63.

1. "Geodezia es Kartografia" szerkeszto bizottsagi tagja.

RAUM, Frigyes

Publications of the technical department, State Bureau of
Geodetics and Cartography. Geod kart 15 no.5:368 '63.

1. "Geodezia es Kartografia" szerkeszto bizottsagi tagja.

RAUM, Frigyes

The Jozsef Beszedes Museum. Geod kart 15 no.5:390 '63.

1. "Geodezia es Kartografia" szerkeszto bizottsagi tagja.

RAUM, Frigyes

Conference on the technical aid to economically underdeveloped countries. Geod kart 15 no.5:378-379 '63.

1. "Geodezia es Kartografia" szerkeszto bizottsagi tagja.

RAUM, Frigyes

"Application of geodesy in construction" by Mihail Dan.
Reviewed by Frigyes Raum. Geol kart 15 no.2:142 '63.

1. "Geodezia es Kartografia" szerkeszto bizottsagi tagja;
Geodeziai es Kartografiai Egyesulet fotitkara.

RAUM, Frigyes

Society news. Geod kart 15 no.4:303-304 '63.

1. "Geodezia es Kartografia" szerkeszto bizottsagi tagja.

RAUM, Frigyes

Society news. Geod kart 15 no.1:72-73 '63.

1. "Geodezia es Kartografia" szerkeszto bizottsagi tagja.

RAUM, Frigyes

A geodetic documentary film. Geol kart 15 no.2:141 '63.

1. "Geodezia es Kartografia" szerkeszto bizottsagi tagja;
Geodeziai es Kartografia Egyesulec fotitkara.

RAUM, Frigyes; HOMORODI, Lajos, dr.

General Assembly of the Society of Geodesy and Cartography.
Geol kart 15 no.2:136-140 '63.

1. Geodeziai es Kartografiai Egyesulet fotitkara; "Geodezia es Kartografia" szerkeszto bizottsagi tagja (for Raum).
2. Geodezia es Kartografiai Egyesulet elnoke; "Geodezia es Kartografia" szerkeszto bizottsagi tagja (for Homorodi).

RAUM, Frigyes

Board meetings. Geol kart 15 no.2:141 '63.

1. "Geodeziai es Kartografiai Egyesulet fotitkara; "Geodezia es Kartografia" szerkeszto bizottsagi tagja.

RAUM, Frigyes

Society news. Geod kart 14 no.5:388-390 '62.

1. "Geodezia es Kartografia" szerkeszto bizottsagi tagja.

RAUM, Frigyes

A trilingual geodetic dictionary. Geod kart 14 no.6:447 '62.

1. Budapesti Geodsziai es Terkepesseti Vallalat fomerneke, es
"Geodezia es Kartografia" szerkeszto bizottsagi tagja.

RAUM, Frigyes

Society news. Geod kart 14 no.6:464 '62.

1. Budapesti Geodeziai es Terkepesszeti Vallalat fomernoke, es
"Geodezia es Kartografia" szerkeszto bizottsagi tagja.

RAUM, Frigyes

On the 10th Congress of International Geometer Federation. Geod kart
14 no.6:458-459 '62.

1. Budapesti Geodeziai es Terkepészeti Vallalat femernoke, es
"Geodezia es Kartografia" szerkeszto bizottsagi tagja.

HOMORODI, Lajos, dr., egyetemi docens, a muszaki tudomanyok kandidatusa;
BENDEFY, Laszlo, dr.; RAUM, Frigyes

Short communications. Geod kart 14 no. 307-309 '62.

1. Epitoipari es Koslekedesi Muszaki Egyetem, es "Geodezia es Kartografia" szerkeszto bizottsagi tagja (for Homorodi).
2. Pomernok, Budapesti Geodesiai es Terkepesseti Vallalat, es "Geodezia es Kartografia" szerkeszto bizottsagi tagja (for Raum).

RAUM, Frigyes

Use of photogrammetry in road design. Geod kart 14 no.3:
160-166 '62.

1. Fomernok, Budapesti Geodeziai es Terkepeszeti Vallalat, es
"Geodezia es Kartografia" szerkeszto bizottsagi tagja.

RAUM, Frigyes

Society news. Geod kart 14 no.4:314 '62.

1. Fomernok, Budapesti Geodeziai es Terkepeszeti Vallalat,
es "Geodezia es Kartografia" szerkeszto bizottsagi tagja.

RAUM, Frigyes

International Geometer Congress. Geod kart 14 no.4:306-307
'62.

1. Főmérnök, Budapesti Geodéziai és Térképészeti Vállalat,
és "Geodezia és Kartografia" szerkesztő bizottsági tagja.

RAUM, Frigyes

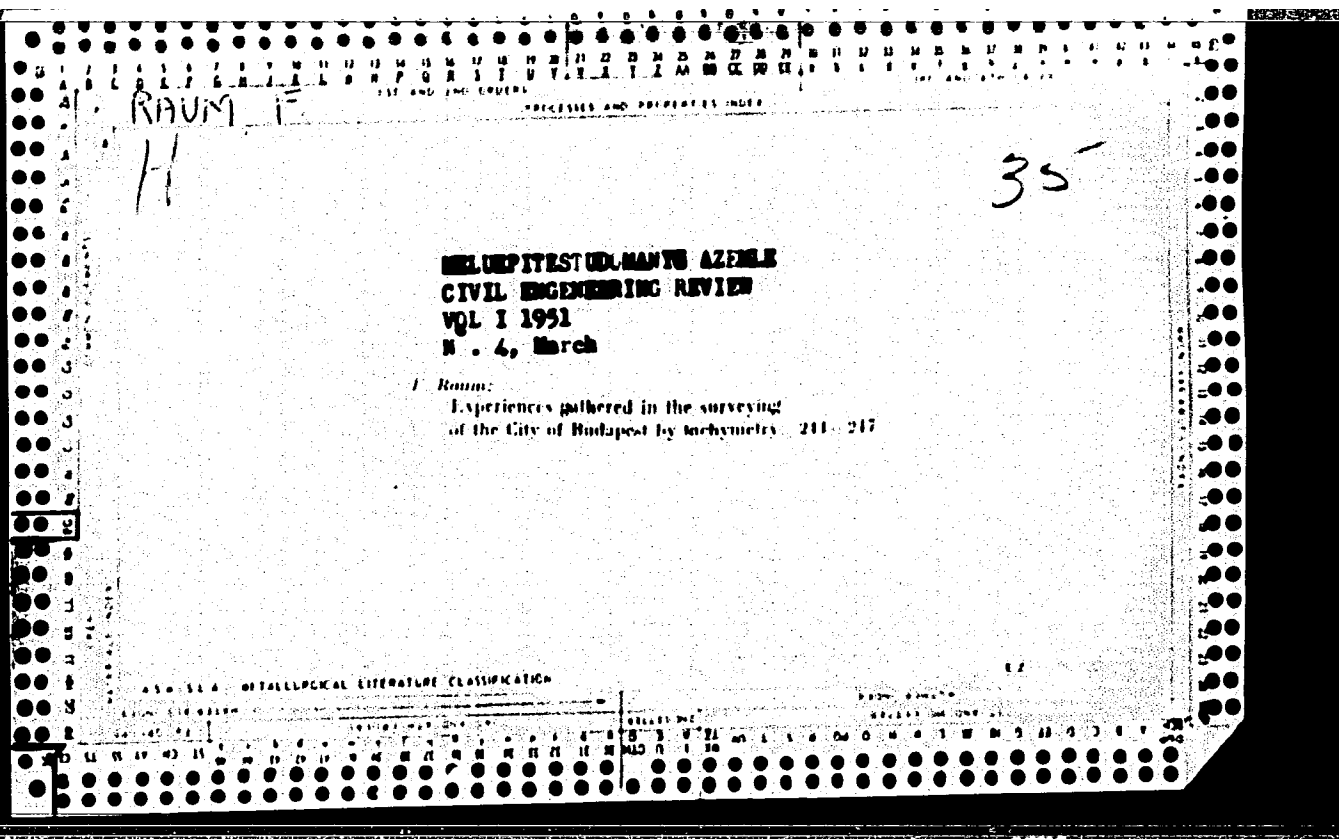
Society news. Geod kart 14 no.3:207-210 '62.

1. Fomernok, Budapesti Geodeziai es Terkepesseti Vallalat, es
"Geodezia es Kartografia" szerkeszto bizottsagi tagja.

RAUM, Frigyes

"The origin and compilation of the F.I.G. polyglot dictionary"
Mr. Thuillier. Reviewed by Frigyes Raum. Geod kart 14 no.3:
212-213 '62.

1. Fomernok, Budapesti Geodeziai es Terkepesszeti Vallalat, es
"Geodezia es Kartografia" szerkeszto bizottsagi tagja.



RAULUSZKIEWICZ, Stanislaw (Wroclaw)

Research on the estrogenic activity of tissue preparations after
Filatow. Rocz nauk roln wet 70 no.1/4:319-321 '60.

(KEAI 10:9)

(ESTROGENIC HORMONES)

LEWENTISZ-WOJNAROWSKA, T., SUFFCZYNSKA, M., KWAPINSKI, J., RAUN B.,
BACZYNSKA, K.

Blood antistreptolysin O level in children with rheumatic fever
Pediat.polska 33 no.1:63-69 Jan 58.

1. Z II Kliniki Pediatrycznej A.M. w Warszawie. Kierownik: prof.
dr med. M. Michalowicz i z Zakladu Mikrobiologii Instytutu Reumatologii
Dyrektor Instytutu; prof. dr med. E. Reicher: Warszawa, ul. Litowska 16.

(RHEUMATIC FEVER, blood in
antistreptolysin O (Pol))

(ANTISTREPTOLYSIS, in blood
O, in rheum. fever (Pol))

7000, 1/2

Dependent on various factors occurring in the process of
acid and sieve plates. Trudy HIGHTI no.35:134-139 '61. (MIRA 14:10)
(Sulfur trioxide)
(Absorption)
(Plate towers)

Five years' observations on the effect of fertilization upon yield and plant stand of a natural meadow. II. MAINE. *L. plantaginifolia*, *Phragmites*, *Andropogon*. B11, 517-521 (1912). Observations on 5 pairs of plots 10 m. square, of proved uniformity, indicated satisfactory economical gains from 40% K_2O salt, Rhénania phosphate, stall manure, $(NH_4)_2SO_4$ and $NaNO_3$. Hay from plots receiving N was not richer in protein. N salts greatly reduced the stand of legumes, but stall manure did not. The proportion of weeds in the hay from plots receiving 40% K_2O salt was slightly less. C. J. S.

CA

Chemistry of the Baumann steel stain test. K. M. Raumer. *Zentralblatt Lab.* 5, 1920 71(1920).--Rpts. show that the brownning of AgBr paper in the Baumann steel stain test is caused by S and not by P. The intensity of staining is the function of the concn. of S in steel.
Chas. Blanc

CIA-RDP86-00513R0014443

RAUNER, V

26 18 2
2
Struct
On the Problem of Brittleness in Transformer Steels. V. Rauner and M. Zozulova: (Hutnické Listy, 1956, 11, (3), 134-139). [in Czech]. Micrography, hardness tests, and chemical analysis were used to study the bend-brittleness of the sheet. Brittleness was found to be associated with the precipitation of a hard intergranular constituent, which is generally associated with a coarsening of the alpha-phase grains. Highly brittle grains were found to have a higher carbon and silicon content than the average obtained by macro-analysis. Methods of rolling and heat-treatments leading to brittleness, as well as those by which brittleness is prevented were studied.--R. V.
R 118

RAUNER, V., inz.

"Ironwork operations in the works and forges of the noble ironworking industry" by Walenty Rozdzienski. Reviewed by V. Rauner. Hut listy 18 no.7:531-532 J1 '63.

RAUNER, V., inz.

"Surface properties of metals and slag in steelmaking processes"
by T.Mazanek. Reviewed by V.Rauner. Hut listy 19 no. 3:210-211
Mr '64.

RAUNER, V., inz.

"Problem of the total oxygen content in the melts of open-hearth steel" by M. Janas. Reviewed by V. Rauner. Hutlisty 19 no. 4: 281-284 Ap '64.

Rauner, V.

Contribution to the study of the question of fragility of transformer sheets. p. 134. HUTNICKE LISTY. (Ministerstvo hutniho prumyslu a rudnych dolu) Brno. Vol. 11, no. 3, Mar. 1956.

Source: EEAL LC Vol. 5, No. 10 Oct. 1956

RAUNER, V.

Carbon, Phosphorus and Sulphur Distribution in a Rimming Open-Hearth Steel Ingot Containing 0.15% C, V. Rauner, (Hutnické Listy, 1962, 6, Aug., 376-380). (In Czech)

A detailed analysis is given of the variations in chemical composition between samples taken from the melt, the finished product, and from various positions in an ingot of 0.15% carbon rimming steel cast in hot-topped, square, big-end-up moulds.

P. F.

immediate source clipping

Rauner, V.

✓ Carbon, phosphorus and sulphur distribution in a rimming open-hearth steel ingot containing 15 per cent. carbon. V. Rauner (*Hutnicki Listy*, 1932, 6, 376—380; *J. Iron Steel Inst.*, 1932, 178, 108).—Variations in composition between samples taken from the melt, the finished product, and from various positions in an ingot cast in hot-topped, square, big-end-up moulds are given. R. H. CLARK.

Rauner, Václav

400

/8245* Contribution to the Question of Fragility of Transformer Sheets. Příspěvek k otázce křehkosti transformátorových plechů. (Czech.) Václav Rauner and Marcela Zenzlová. *Hutnické Listy*, v. 11, no. 8, May 1966, p. 134-139. *MB*

Brittleness of transformer sheets is due to the formation of a hard and massive precipitate which occurs mostly in a grain boundaries. Cause of this formation is described. Tables, micrographs. 11 ref. (2)

of VAK LFH

KADNICK, VACLAV

The influence of carbon, phosphorus, and sulfur distribution on the utilization of remelting open-hearth steel ingots for making pipes. Václav Kadnický, *Hutnická Listy* 6, 582-3 (1961); cf. C.A. 48, 4499a. — Because of nonuniformity of unskilled open-hearth steel ingots contg. C 0.14-0.22; Mn 0.33-0.43, P 0.024-0.036, and S 0.034-0.036%, only 60-85% of its wt. could be utilized for making seamless pipes by the Mannesmann process. Frank J. Hendel.

Carbon, Phosphorus and Sulfur Distribution in a Rimmed Open-Hearth Steel Ingot Containing 0.15% C -
Y. Bauer. (Hutnické Listy, 1952, 6, Aug., 376-380). (In Czech)

A detailed analysis is given of the variations in chemical composition between samples taken from the melt, the finished product, and from various positions in an ingot of 0.15% carbon rimmed steel cast in hot-topped, square, big-end-up moulds.
P. P.

immediate source clipping

M. R. R.

1951

*D - Ferric Reaction
and Refining*

272-11. Carbon, Phosphorus and Sul-
fur Distribution in a Blowing Open-
hearth Steel Ingot, Containing 0.15%
Carbon. (In Czech) Václav Raupel.
Hutnické Listy, v. 6, Aug. 1951, p. 376-
380.

The chemical composition differ-
ence between an average melt sam-
ple and finished-product samples at
various points of a semiduplex open-
hearth rimming steel ingot contain-
ing 0.15% C and cast into square,
hot-topped, big-end-up and normal
molds. The range and the scatter
value should be considered in all
cases where a high degree of homo-
geneity is required in order to de-
termine the most suitable ingot por-
tion for production of serviceable
product. (D9, 192, 8T)

Met. Rev
1952

F - Primary Mechanical
Working

92-4. Influence of the Distribution of C, P, and S on the Use of Ingots of Rimmed Openhearth Steel for the Production of Tubes. (In Czech.) Vav. by Ragner. *Hutnická Listy*, v. 6, Dec. 1951, p. 562-566.

A study was made of the effect of segregation on the use of rimmed openhearth ingots for the production of seamless tubing. The steel used contained up to 0.15% C. 117 micrographs of ingot structures. (F26, N12, M28, CN)

BTR

3903* *Influence of the Distribution of C, P, and S on the Use of Ingots of Rimmed Openhearth Steel for the Production of Tubes.* (In Czech.) Vaclav Ranner. *Hutnické Listy*, v. 6, Dec. 1951, p. 582-586.

A study was made of the effect of segregation on the use of rimmed openhearth ingots for the production of seamless tubing. The steels used contained up to 0.15% C. Includes 117 micrographs of ingot structures.

13543* Carbon, Phosphorus and Sulfur Distribution in a
 Rimming Openhearth Steel Ingot, Containing 0.13% Car-
 bon. (In Czech.) Vaclav Ranner. *Hutnické Listy*, v. 6, Aug.
 1951, p. 376-380.

Calls attention to the chemical composition difference between

an average melt sample and finished product samples at various
 points of a nonphosphorus rimming steel ingot contain-
 ing 0.13% C and cast into square, hot topped, big end up and
 normal molds. The range and the scatter value should be
 considered in all cases where a high degree of homogeneity is
 required in order to determine the most suitable ingot portion
 for production of serviceable product.

ASD 550 - METALLURGICAL LITERATURE CLASSIFICATION

CA

7

Distribution of carbon, phosphorus, and sulfur in an un-killed (rimming) open-hearth steel containing 0.15% carbon. Václav Rauner. *Hutnická Listy* 6, 376-384 (1951).—Attention is drawn to the differences in the chem. compns. of an av. melt sample and the samples of the semifinished or finished product taken from various parts of an ingot which consists of an un-killed 0.15% C steel cast into various types of molds. It is emphasized that in all cases where a high degree of homogeneity is required, the scattering ranges of the contents of the individual elements in the various parts of the ingot must be taken into consideration when the ingot zone to be used is detd.

E. Gross

RAUNER, V., inc.

"Dephosphorization of iron melts by pure ferrophosphoric slags
and the effect of CaO, MgO, SiO₂ and Al₂O₃ additives" by
E.Schurmann, H.Hofmeister. Reviewed by V.Rauner. Hut listy
19 no.11:827-828 N '64.

USSR/Geography - Microclimate

FD-2178

Card 1/2 Pub. 129-18/20

Author : Rauner, Yu. L.

Title : Temperature regime of the ground layer of air in dependence upon the dimensions of the naturally moist portion

Periodical : Vest. Mosk. un., Ser. fizikom. i yest. nauk, 10, No 2, 151-159, Mar 1955

Abstract : One of the most important climate forming factors is the transformation (variation of principal properties) of air masses under the influence of the terrestrial surface (the so-called underlying air); and the study of the transformation of air masses is one of the most important and difficult problems of modern meteorology and climatology, a large amount of work being devoted to its solution. The investigation of the problem of the influence of the dimensions of an irrigated portion upon the meteorological regime in the ground layer was taken up by the Division of Climatology and Hydrology of the Institute of Geography, Academy of Sciences USSR, in 1951 in Central Asia and in 1951-1952 in the region between the Volga and the Urals. In the present article the author expounds certain results of the expeditionary operations of 1952, when only the influence of irrigation on temperature was studied. Seventeen references. He thanks Prof. B. P. Alisov.

Chair of Climatology, Moscow State U.

RAUNER, YU. L.

84-229
 Nikolay, V. A. and Rauner, YU. L., Rozy vetrov na snegu. [Wind roses on the snow.]
 Priroda, Moscow, 44(12):109-110, Dec. 1955. 2 figs. DLC. In the course of snow measure-
 ments in the "Black Lands" of Astrakhan and Stavropol Provinces in the late winter of 1954,
 the author observed thousands of three-pronged snow dunes similar to the tridactylous feet of
 giant birds. Each of the dunes had a clump of sod in the center protruding from under the
 snow from which rays up to 1-1.5 m long extended in S, SE, and SW directions. The uni-
 formity of direction of the rays was astonishing. A later analysis of meteorological data from
 the station "Putovoo" showed that from Dec. 1953 to Feb. 1954 north winds were predominant,
 and all snowfall was connected with northerly winds. The author concludes that the orienta-
 tion of the rays of the three-pronged snow dunes reflected the character of winds and precipita-
 tion and that they should be considered as natural precipitation and wind roses. He points
 out that the local population uses them as natural compasses in their winter travels over the
 snow covered expanses. Subject headings: 1. Snow wind roses. 2. Astrakhan Region, U.S.S.R.
 3. Stavropol Region, U.S.S.R. — A.M.P.

Moscow State Univ.

RAUMER, YU. L.

RAUMER, YU. L. -- "The Microclimate and Heat Value of the Humid and Nonhumid Parts of the Lower Volga Valley in Summer Months." Moscow State University imeni V. M. Lomonosov, Geographical Faculty, Moscow, 1956. (Dissertation for the Degree of Candidate of Geographical Sciences)

SO: Knizhnaya Letopis' No 43, October 1956, Moscow

NIKOLAYEV, V.A.; RAUNER, Yu.L.

Chernyye Zemli sands in winter. Izv.AN SSSR.Ser.geog.no.1:86-88
Ja-P '56. (MLRA 9:7)

1.Geograficheskiy fakul'tet Moskovskogo gosudarstvennogo univer-
siteta imeni M.V.Lomonosova.
(Chernyye Zemli--Weathering)

RAUNER, Yu.L.

Heat and moisture exchange in heat convection. Izv. AN SSSR, Ser.
geofiz. no.11:1354-1357 N '56. (MLRA 10:1)

1. Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova.
(Atmosphere)

НИКОЛАЕВ, В.А.,

NIKOLAYEV, V.A.; RAUNER, Yu.L.

Distribution of snow cover in the Chernyye Zemli winter pastures.
Vest.Mosk.un.Ser.biol.,pochv.,geol.,geog. 11 no.2:203-212 '56.

(MIRA 10:10)

1. Kafedry geomorfologii i klimatologii.
(Chernyye Zemli--Snow)

49 - 2 - 12/13

AUTHOR: Rauner, YU.L.

TITLE: Climatic evaluation of the results of microclimatic observations. (Klimatologicheskaya obrabotka rezul'tatov mikroklimaticheskikh nablyudeniy).

PERIODICAL: Izvestiya Akademii Nauk, Seriya Geofizicheskaya, 1957, No.2, pp. 258-264 (U.S.S.R.)

ABSTRACT: The article deals with certain problems relating to climatological evaluation of microclimatic investigations. Such observations are usually made during a short period of time (ten days, one month); as a result it is necessary to apply specific assumptions when evaluating results which must be utilized on a wider scale for practical purposes. A close statistical relation exists between the temperature of the air on a nonirrigated section and the microclimatic differences between dry and irrigated sections.

Card 1/8
2

49 - 2 - 12/13

TITLE:

Climatic evaluation of the results of microclimatic observations. (Klimatologicheskaya obrabotka rezul'tatov mikroklimaticheskikh nablyudeniy).

Additional considerations indicate that such relations are linear for the entire range of the average daily temperature during the vegetation period. The air temperature, within a climatological period and the daily average, can be applied for reducing microclimatic series to average conditions over many years. By comparing the obtained average indices of the microclimatic differences with the thermal conditions of various rhumbs, it is possible to show the relation between microclimatic indices and the most typical conditions of circulation. Using the method described in the paper it was possible to obtain various characteristics and indices which are of considerable interest from the point of view of microclimatic differences.

Card 2/2
2

The text contains 9 graphs, and 1 table. There are 7 references, all Slavic.

Moscow State U.

AUTHOR: Rauner, Yu.L. SOV-10-58-4-8/28

TITLE: The Connection Between Wind Indicators and Some Forms of Sandy Relief in the Caspian Lowlands (Svyaz' mezhdu vetrovymi pokazatelyami i nekotorymi formami peschanogo rel'yefa Prikaspiyskoy nismennosti)

PERIODICAL: Izvestiya Akademii nauk SSSR - Seriya geograficheskaya, 1958, Nr 4, pp 64-68 (USSR)

ABSTRACT: The author describes and explains how the regular wind system influences the forms of the sandy Caspian lowlands. In this connection, the following scientists and their research work in this field are mentioned: F.F. Golynets, N.V. Bova, E.S. Lir, I.V. Nazarova, V.L. Leontyev, M.P. Petrov, T.F. Yakubov, I.P. Gerasimov, B.A. Fedorovich. There are 2 diagrams, 4 sets of graphs and 12 Soviet references.

Card 1/2

Source: State Univ. in Leningrad

AUTHOR: Rauner, Yu. L. SOV/10-58-5-12/28

TITLE: Some Results of Heat Balance Observations in a Deciduous Forest (Nekotoryye rezul'taty teplobalansovykh nablyudeniy v listvennom lesu)

PERIODICAL: Izvestiya Akademii nauk SSSR - Seriya geograficheskaya, 1958, Nr 5, pp 79-86 (USSR)

ABSTRACT: Information is given on the preliminary results of special gradient and actinometrical studies, carried out by the Zagorsk Climatic Detachment of the Institute of Geography AS USSR, within the IGY program, to investigate micro-meteorological conditions in deciduous forests. The performed calculations (described in detail) provided sufficiently accurate numerical values on turbulent heat and moisture flows above the forest and inside the forest cover. Recommendations are given as to methods to be applied in further observations. There are 5 sets of graphs, 1 table and 3 references, 2 of which are Soviet and 1 German.

ASSOCIATION: Institut geografii AN SSSR (Institute of Geography, AS USSR)

Card 1/1

SOV/10-58-6-14/27

AUTHOR: Rauner, Yu. L.

TITLE: The Proceedings of the Symposium in Australia
on the Climatology and Micro-Biology of Arid
Zones (Trudy Simpoziuma po klimatologii i
mikrobiologii aridnykh oblastey v Avstralii)

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya geogra-
ficheskaya, 1958, Nr 6, p 133-135 (USSR)

ABSTRACT: This is a review of the book published by
UNESCO under the title, "Arid Zones Research -
IX Climatology and Microclimatology Proceedings
of the Canberra Symposium. Recherches sur la
zone aride - XI Climatologie et Microclimato-
logie Actes du Colloque de Canberra".

Card 1/1

36

AD-3331

SOV/10-59-A-25/29

NOTE:

10

Voloshko, A.I., and Klints, A.A.

The Sixth Conference of Young Scientific Workers of the Institute of Geography at USSR (Institute of Geography at USSR)

Inventory Akademi nauk SSSR, Early Geographical Maps, 1959, nr 4, pp 132-155 (USSR)

Abstract:

cont. 155

[illegible]

Card 2/5

3/5

RAU, RZ, Y4, L:

30(1) :

SOV/10-59-4-19/29

AUTHOR: Rauner, Yu.L.

TITLE: Study of the Heat and Water Balance of a Young Pine Forest

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya geograficheskaya, 1959, Nr 4, pp 136-139 (USSR)

ABSTRACT: This is a discussion on the above-mentioned treatise by A. Baumgartner, West Germany. The article mentions Soviet authors B.A. Ayzenshtat and Yu.L. Rauner. There is 1 graph and 3 references, 2 of which are Soviet and 1 West German.

ASSOCIATION: Institut geografii AN SSSR (Institute of Geography AS USSR)

Card 1/1

RAUNER, Yu. L.: DZERDZETEVSKIY, B.L., prof., otv.red.; OGANOVSKIY, P.N.,
red.

[Zagorsk; heat balance] Zagorsk; teplovoi balans. Moskva.
(Materialy glatsiologicheskikh issledovaniy). No.1. (Actino-
metric and gradient measurements] Aktinometricheskie i gra-
dientnye izmereniya. 1960. 135 p. (MIRA 14:3)

1. Akademiya nauk SSSR. Institut geografii.
(Zagorsk--Solar radiation) (Zagorsk--Atmospheric temperature)

RAUNER, Yu.L.; DZERDZEYEVSKIY, B.L., prof., doktor fiziko-matemat.nauk,
otv.red.; BIRINA, A.V., red.izd-va; LEBEDEVVA, L.A., tekhn.red.

[Characteristics of the formation of heat balance and micro-
climate in arid regions as exemplified in the Caspian Lowland]
Zakonomernosti formirovaniia teplovogo balansa i mikroklimata
v zasushliviikh usloviakh; na primere Prikaspiiskoi nizmennosti.
Moskva, Izd-vo Akad.nauk SSSR, 1960. 190 p. (MIRA 13:9)
(Caspian Lowland--Microclimatology)

Learn, Claycoys uhuwienye cldrowwecndelsheloy slubby

CHILDRY I VOLTAIRIE FRIBLE JERRY JOVETRONSKI (Thermal and Water Region of the
Fishes Bureau) Bethesda, GEORGETOWN, 1960. 191 P. Formulae and
inserted. 60¢ copies printed.

Секретарь Агентства
Ковале Министров
Секрет.

Edo. (Title page). I. P. Gerasimov, Assistant; M. I. Mal'kov, Director of Physics and Mathematics, and A. F. Gal'ster, Doctor of Geographical Sciences; and Mathematics; Tech. Ed.: N. I. Bryukhan.

purpose. This publication is intended for geophysiologists, geographers, climatologists, agronomists, and agriculturists.

COMMENTS: The seven-item articles contained in this publication represent condensed versions of reports presented at the Conference on the Rent and Unemployment of the Faculty of Science, conducted by the Glynnia Sociological Research Center in A. T. Korykova (Main Department, Chemistry) from

A. I. Vojtylov) in April 1959. Individual articles deal with the investigation of the thermal balance of the earth's surface, problems of the geos-

[illegible]

unhappily, N. L.) and T. J. Rader (Assistant Secretary of the Institute of Geography, Berlin). The State and the ARSAR -- Institute of Geography, Berlin). The State and the Tasks of Investigating the Heat Balance of a Forest.

card 2/5

Katlin, G.F. (Technical Training Director - Central Institute of Weather Forecasting). General Reasons for the Investigation of Water Pollution

Popov, O.V., M.I.V.I. Kurzyator (Oberschleimung ethnologisch, Institut -- State Hydrological Institute), Experimental Investigation of the Elements of the Water Balance on Dry Land

Liverpool, M.I. (Institute of Geography, AS USSR). Methods of Remote Investigation on the Basis of Water Balance

Bulgarevsky, A.I. [Institute of Geography, AN USSR]. Investigation of the Water Balance of Soil

Gal'terny, A.P. (Institute of Geography, A.S. Uchen.). The State and the Tasks of the Studies of the Cereals of Climate

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Voluntary Exchange in the Atmosphere.

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Timofeyev, M.P. (Mold Geophysical Observatory Inst. A.I. Voznyakov),
Heat Balance and the Microclimate. 127

Orlovskiy, A.A. (Moscow, Institute of Geography, 45 USSR). The Role of Heat and Moisture Balance in the Structure and Development of the Vegetable Mosaic (Study in the Breeds of the Temperate Zone) and Their Significance in the Productivity of Agricultural Crops. 1980.

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relation to the Hydrological Conditions

156

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1. Institut merslotovediya AN SSSR i Institut geografii AN SSSR.
(Zagorsk region--Snow) (Atmospheric temperature)
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RAUNER, Yu.L.

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1. Institut geografii AN SSSR.
(Zagorsk District--Forest influences)

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1. Institut geografii AN SSSR.

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RAUNER, Yu.L.

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1. Institut geografii AN SSSR.
(Forest influence) (Atmospheric temperature)

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1. Of the Department of Research and Laboratory Diagnosis of Virus
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State Health Institute at the Regional Institute for Slovakia,
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LINK, P.; BLASKOVIC, D.; RAUS, J.

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1. Institute of Virology, Czechoslovak Academy of Sciences,
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1. Institute of Virology, Czechoslovak Academy of Sciences, Bratislava.
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